

<b>COMBINED DECLARATION &amp; POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>		<b>Attorney Docket Number</b>	PG1-1
		<b>First Named Inventor</b>	Herve Jouishomme
<b>COMPLETE IF KNOWN</b>			
		<b>Application Number</b>	09/980,080
		<b>Filing Date</b>	30 November 2001
		<b>Group Art Unit</b>	
		<b>Examiner Name</b>	

Declaration       Declaration  
 Submitted      OR      Submitted After  
 With Initial      Initial Filing  
 Filing      (37 CFR 1.16(e)  
                   Required)

**As a below named Inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole Inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**3-DIMENSIONAL IN VITRO MODELS OF MAMMALIAN TISSUES**

the specification of which

- is attached hereto OR
- as filed on (MM/DD/YYYY) 06/02/2000 as United States Application Number or PCT International Application Number PCT/CA00/00850 and was amended on (MM/DD/YYYY) 09/06/2001

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? Yes	No
			<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

Additional foreign application numbers are listed on a supplementary priority data sheet (PTO/SB/02B) attached hereto:

**COMBINED DECLARATION & POWER OF ATTORNEY-**  
**Utility or Design Patent Application**

Attorney Docket No. PG1-1

I hereby appoint J. Wayne Anderson, Regn no. 28,158

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Direct all correspondence to:

J. Wayne Anderson, Regn No: 28,158  
P.O. Box 1268, Station B  
Ottawa, Ontario, Canada K1P 5R3  
Tel: (613) 993-3899  
Facsimile: (613) 952-6082

I hereby declare that all statements made herein of my own knowledge are true and that all statements were made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>NAME OF SOLE OR FIRST INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <u>Herve</u>		Family Name or Surname <u>Jouishomme</u>	
Inventor's Signature <u>Herve</u>		Date <u>24 Oct 2002</u>	
Residence: City <u>Chelsea</u>	State <u>Quebec</u>	Country <u>Canada</u>	Citizenship <u>France</u>
Mailing Address <u>980 Route 105</u>			
City <u>Chelsea</u>	State <u>Quebec</u>	ZIP <u>J9B 1P3</u>	Country <u>Canada</u>
<b>NAME OF SECOND INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <u>Jenny</u>		Family Name or Surname <u>Phipps</u>	
Inventor's Signature <u>Jenny</u>		Date <u>24 Oct 2002</u>	
Residence: City <u>Chelsea</u>	State <u>Quebec</u>	Country <u>Canada</u>	Citizenship <u>Canadian</u>
Mailing Address <u>980 Route 105</u>			
City <u>Chelsea</u>	State <u>Quebec</u>	ZIP <u>J9B 1P3</u>	Country <u>Canada</u>
<b>NAME OF THIRD INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <u>Michel</u>		Family Name or Surname <u>Phipps</u>	
Inventor's Signature <u>Michel</u>		Date <u>10 October 2002</u>	
Residence: City <u>Chelsea</u>	State <u>Quebec</u>	Country <u>Canada</u>	Citizenship <u>Canadian</u>
Mailing Address <u>980 Route 105</u>			
City <u>Chelsea</u>	State <u>Quebec</u>	ZIP <u>J9B 1P3</u>	Country <u>Canada</u>
<input type="checkbox"/> Additional Inventors are being named on the supplemental Additional Inventors sheet PTO/SB/02A attached hereto.			

<b>COMBINED DECLARATION &amp; POWER OF ATTORNEY-</b> <b>Utility or Design Patent Application</b>			<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet 11280-01 US</b>
<b>NAME OF FORTH INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <u>Suzanne</u>		Family Name or Surname <u>Lacelle</u>	
Inventor's Signature <u>Suzanne Lacelle</u>		Date <u>07-10-02</u>	
Residence: City <u>Orleans</u>	State <u>Ontario</u>	Country <u>Canada</u>	Citizenship <u>Canadian</u>
Mailing Address <u>921 Chaleur Way</u>			
City <u>Orleans</u>	State <u>Ontario</u>	ZIP <u>K1C 2R9</u>	Country <u>Canada</u>
<b>NAME OF FIFTH INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	ZIP	Country
<b>NAME OF SIXTH INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	ZIP	Country
<b>NAME OF SEVENTH INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence	State		Citizenship
City	State	ZIP	Country

## RECOMMENDATION FORM C



To the Honorable Commissioner of Patents and Trademark

1. Name of conveying Party(ies): 4301

Herve Jouishomme, Jenny Phipps, Michel Phipps and Suzanne Lacelle

Additional name(s) of conveying party(ies) attached? Yes X No

3. Nature of Conveyance:

X Assignment

Merger

101955935

2. name and address of receiving party(ies)

Name: National Research Council of Canada

Internal address: Intellectual Property Services  
Bldg. M-58, Room EG-12Street Address: Montreal Road  
City: Ottawa State: Ontario  
Postal Code: K1A 0R6  
Country: Canada

Security Agreement

Change of Name

Additional name(s) &amp; addresses attached? Yes XN

Execution Date: October 30, 2001

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: 30 November 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes Xno

09/980080

5. Name and address of party to whom correspondence  
concerning document should be mailed:

6. Total number of applications and patents involved 1

Name: J. Wayne Anderson

Street Address: P.O. Box 1266, Station B

City: Ottawa State: Ontario

Postal Code: K1P 5R3

Country: Canada

12/05/2001 MNNGUYEN 00000035 09980080

05 FC:581

40.00 OP

DO NOT USE THIS SPACE

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

J. Wayne Anderson

Name of Person Signing

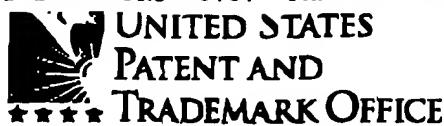
Signature

Date

28 October 2001

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington D.C. 20231



MARCH 14, 2002

PTAS

J. WAYNE ANDERSON  
P.O. BOX 1266, STATION B  
OTTAWA, ONTARIO CANADA K1P 5R3

Chief Information Officer  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)



\*101955935A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/30/2001

REEL/FRAME: 012476/0582  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

JOUISHOMME, HERVE

DOC DATE: 10/30/2001

## ASSIGNOR:

PHIPPS, JENNY

DOC DATE: 10/30/2001

## ASSIGNOR:

PHIPPS, MICHEL

DOC DATE: 10/30/2001

## ASSIGNOR:

LACELLE, SUZANNE

DOC DATE: 10/30/2001

## ASSIGNEE:

NATIONAL RESEARCH COUNCIL OF  
CANADA  
MONTREAL ROAD  
INTELLECTUAL PROPERTY SERVICES.  
BLDG. M-58, ROOM EG-12  
OTTAWA, ONTARIO, CANADA K1A 0R6

012476/0582 PAGE 2

SERIAL NUMBER: 09980080  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

DOROTHY BASMA, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

**ASSIGNMENT**Ottawa, K1A 0R6  
French citizen HJ

Whereas, we, JOUISHOMME, Herve; PHIPPS, Jenny; PHIPPS, Michel; and LACELLE, Suzanne, citizens of Canada, residing at

980 R ute 105, Chels a, Quebec, J0X 1N0 Canada; 980 Route 105, Chelsea, Quebec, J0X 1N0 Canada, and 921 Chaleur Way, Orleans, Ontario, K1C 2R9 Canada; respectively, have made an invention for which we have made application in the United States of America and the International PCT Office; and

Whereas National Research Council of Canada, incorporated as a company under the National Research Council Act by the Parliament of Canada, and situated in the city of Ottawa, Province of Ontario, Canada, is desirous of acquiring the entire interest therein;

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we do sell and assign to National Research Council of Canada, our full and exclusive right, for the territory of Canada and the United States Of America and all other countries, including the right to file said foreign applications under the provisions of the International Convention, in and to the said invention as described and claimed in the application for patent entitled

**3-Dimensional In Vitro Models Of Mammalian Tissues**

Application S.N. 60/137,596 filed on the 3rd day of June, 1999 in the United States of America and Application PCT/CA00/00650 filed June 2, 2000 in the International PCT Office therefor; and we hereby request the Commissioner of Patents and Trademarks in all countries to issue said Letters Patent, as far as our rights are concerned, to National Research Council of Canada, as the

assigne , for the sole behoof of said National Research Council of Canada, and its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Executed this 30 day of October, 2001

Vu pour la légalité  
at Vénissieux (France).

de M. .... Jean JOUISHOMME

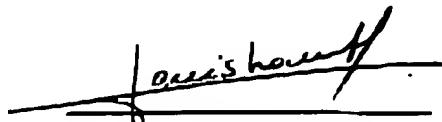
Cette signature ne démontre aucune  
vérification de l'authenticité des faits  
mentionnés dans le présent document

Le ..... 30 OCT 2001 .....

La Mairie,

Pour le Maire,

Le Secrétaire, F. Phipps



**Herve JOUISHOMME**

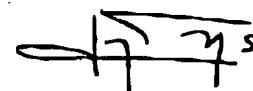
#### Declaration by Witness

I, F. Phipps BERNARD, whose full post office  
address is Mairie de VENISSIEUX 44c Rue E. Renan - say:  
That I was personally present and did see, Herve Jouishomme, who is  
personally known to me duly sign and execute the above Assignment.

**MAIRIE DE VENISSIEUX**  
**MOULIN A VENT**  
**44c, Rue Ernest Renan**  
**69200 VENISSIEUX**  
**Tél. 04 72 78 80 30**

Executed this 22 day of October, 2001

at Ottawa.



**Jenny PHIPPS**

#### Declaration by Witness

I, Lise Houle, whose full post office  
address is 100 Sussex Drive, Ottawa K1A 0R6 - say:  
That I was personally present and did see, Jenny Phipps, who is  
personally known to me duly sign and execute the above Assignment.



Executed this    day of October, 2001  
at Chelsea (QC).



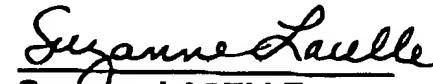
Michel PHIPPS

#### Declaration by Witness

I, John Maiione, whose full post office address is 2463 Ogilvie Road say:  
That I was personally present and did see, Michel Phipps, who is personally known to me duly sign and execute the above Assignment.



Executed this 22 day of OCTOBER, 2001  
at OTTAWA.



Suzanne Lacelle  
Suzanne LACELLE

#### Declaration by Witness

I, LISE HUAHEZ, whose full post office address is 102 Sussex Drive, Ottawa K1A 0G9 say:  
That I was personally present and did see, Suzanne Lacelle, who is personally known to me duly sign and execute the above Assignment.





**Jouishomme Jean-Claude** 04 72 33 11 52

6 imp Lamartine  
69003 LYON 03

**Jouishomme Robert** 04 78 29 98 37

13 r Henri Ferré  
69004 LYON 04

**Jouishomme Gilbert** 04 72 74 00 85

144 r Vendôme  
69006 LYON 06

**Jouishomme Jeannine** 04 78 04 39 50

38Bis r République  
69330 MEYZIEU

**Jouishomme Roger** 04 78 31 65 60

29 r Louis Saulnier  
69330 MEYZIEU

**Jouishomme Bernard** 04 78 02 04 70

r Grande Borne  
69360 SEREZIN DU RHONE

**Jouishomme Hervé** 04 78 76 32 53

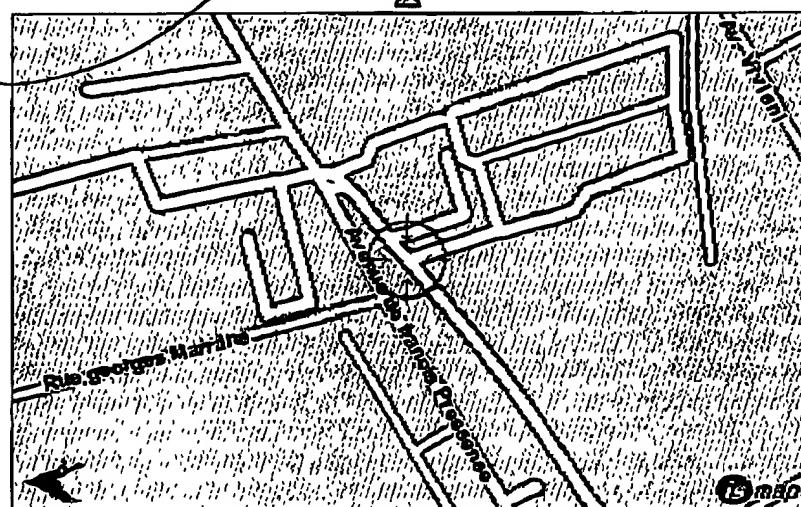
Bât M 3 r Roger Salengro  
69200 VENISSIEUX

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Jouishomme Hervé  
Bât M 3 r Roger Salengro  
69200 VENISSIEUX

Tél: 04 78 76 32 53

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**Department of  
Canada**      ce    **Ministère de la Justice  
Canada**

**NRC Legal Services  
1200 Montreal Rd.  
Building M-68, Room S-314  
Ottawa, ON K1A 0R8**

6 September 2002

File/Dossier 11006-1

11212-1

Dr. Hervé Jouishomme  
3 rue Roger Salengro  
69200 Villeurbanne  
France

Dear Dr. Jouishome

**RE: EXECUTION OF ASSIGNMENTS TO NRC AND DECLARATION/POWER OF ATTORNEY FORMS**

Please find enclosed for your execution a number of documents relating to inventions made during your tenure as a Public Servant for which you have been identified as an inventor. The documents are:

1. Declaration/Power of Attorney form for an invention entitled "Three Dimensional In vitro Models of Mammalian Tissues"; and
  2. Assignment to NRC and Declaration/Power of Attorney forms for an invention entitled "Methods for Modulating Gap Junctions".

In each case, your interest in the above-noted inventions vested with NRC by virtue of the *Public Servants Inventions Act* (the "Act").

Please be advised that the Act further requires the public servant to execute all documents as may be necessary for the filing of an patent application for such inventions. A full copy of the each patent application is enclosed for your reference.

In addition, under NRC's inventorship award plan you continue to be eligible for awards derived from commercialization of these inventions.

Therefore, please execute the necessary enclosed forms and return the same in the provided Courier envelope at your earliest convenience.

Your prompt attention to this matter is greatly appreciated.

Best regards,

~~Shawn D. Langlois, Counsel~~  
NRC Legal Services  
613.998.7015

cc: Wayne Anderson, NRC

# Canada